

=> d his nofile

(FILE 'HOME' ENTERED AT 09:07:20 ON 05 DEC 2007)

FILE 'HCAPLUS' ENTERED AT 09:07:32 ON 05 DEC 2007

L1 1 SEA ABB=ON PLU=ON US20070191454/PN  
D ALL

FILE 'REGISTRY' ENTERED AT 09:08:27 ON 05 DEC 2007

L2 STRUCTURE UPLOADED  
D  
L3 0 SEA SSS SAM L2  
L4 STRUCTURE UPLOADED  
D  
L5 1 SEA SSS SAM L4  
D SCAN  
L6 30 SEA SSS FUL L4  
L7 0 SEA SUB=L6 SSS SAM L2  
L8 3 SEA SUB=L6 SSS FUL L2  
D SCAN  
SAVE TEMP L6 CHO033REGL2/A  
SAVE TEMP L8 CHO033REGL1/A

FILE 'HCAPLUS' ENTERED AT 09:15:54 ON 05 DEC 2007

L9 1 SEA ABB=ON PLU=ON L8  
L10 7 SEA ABB=ON PLU=ON L6  
L11 6 SEA ABB=ON PLU=ON L10 NOT L9  
S L11 AND BIOSIS/LC

FILE 'REGISTRY' ENTERED AT 09:19:06 ON 05 DEC 2007

L12 0 SEA ABB=ON PLU=ON L8 AND BIOSIS/LC  
L13 0 SEA ABB=ON PLU=ON L6 AND BIOSIS/LC  
L14 0 SEA ABB=ON PLU=ON L8 AND BIOTECHNO/LC  
L15 0 SEA ABB=ON PLU=ON L6 AND BIOTECHNO/LC

FILE 'HCAPLUS' ENTERED AT 09:20:33 ON 05 DEC 2007

E DUNKEL RALF/AU  
L16 82 SEA ABB=ON PLU=ON "DUNKEL RALF"/AU  
E ELBE HANS LUDWIG/AU  
L17 190 SEA ABB=ON PLU=ON ("ELBE HANS L"/AU OR "ELBE HANS LUDWIG"/AU)  
E HARTMANN BENOIR/AU  
L18 40 SEA ABB=ON PLU=ON "HARTMANN BENOIT"/AU  
E KLAUSENER ALEXANDER/AU  
L19 118 SEA ABB=ON PLU=ON ("KLAUSENER A"/AU OR "KLAUSENER ALEXANDER"/  
AU)  
E KREUL JORG NICO/AU  
E GREUL JORG NICO/AU  
L20 3 SEA ABB=ON PLU=ON ("GREUL JORG"/AU OR "GREUL JORG N"/AU)  
E WACHENDORFF NEUMANN ULRIKE/AU  
L21 289 SEA ABB=ON PLU=ON ("WACHENDORFF NEUMANN ULRICKE"/AU OR  
"WACHENDORFF NEUMANN ULRIDE"/AU OR "WACHENDORFF NEUMANN  
ULRIKE"/AU OR "WACHENDORFF U"/AU OR "WACHENDORFF ULRIKE"/AU)  
E DAHMEN PETER/AU  
L22 193 SEA ABB=ON PLU=ON ("DAHMEN P"/AU OR "DAHMEN PETER"/AU)  
E KUCK KARL HEINZ/AU  
L23 149 SEA ABB=ON PLU=ON "KUCK KARL HEINZ"/AU

**10/579033**

L24	67	SEA ABB=ON	PLU=ON	L16 AND ((L17 OR L18 OR L19 OR L20 OR L21 OR L22 OR L23))
L25	73	SEA ABB=ON	PLU=ON	L17 AND ((L18 OR L19 OR L20 OR L21 OR L22 OR L23))
L26	25	SEA ABB=ON	PLU=ON	L18 AND ((L19 OR L20 OR L21 OR L22 OR L23))
L27	7	SEA ABB=ON	PLU=ON	L19 AND ((L20 OR L21 OR L22 OR L23))
L28	0	SEA ABB=ON	PLU=ON	L20 AND ((L21 OR L22 OR L23))
L29	133	SEA ABB=ON	PLU=ON	L21 AND ((L22 OR L23))
L30	39	SEA ABB=ON	PLU=ON	L22 AND L23
L31	148	SEA ABB=ON	PLU=ON	(L24 OR L25 OR L26 OR L27 OR L28 OR L29 OR L30)
L32	143	SEA ABB=ON	PLU=ON	L31 NOT L11
L33	142	SEA ABB=ON	PLU=ON	L32 NOT L9
L34	133	SEA ABB=ON	PLU=ON	L33 AND (PESTICID?/OBI OR FUNGICID?/OBI)
L35	42	SEA ABB=ON	PLU=ON	L34 AND (ANTIBACTER?/OBI)
L36	26	SEA ABB=ON	PLU=ON	L35 AND (AGRIC?/OBI OR PLANT#/OBI)

SAVE TEMP L36 CHO033HCAIN/A

FILE 'STNGUIDE' ENTERED AT 09:28:16 ON 05 DEC 2007  
D QUE L36

FILE 'HCAPLUS' ENTERED AT 09:30:56 ON 05 DEC 2007  
D 1-26 IBIB AB

\*\*\*\*\* INVENTOR RESULTS \*\*\*\*\*

=> d his 136

(FILE 'HCAPLUS' ENTERED AT 09:20:33 ON 05 DEC 2007)  
L36 26 S L35 AND (AGRIC? OR PLANT#)  
SAVE TEMP L36 CHO033HCAIN/A

FILE 'STNGUIDE' ENTERED AT 09:28:16 ON 05 DEC 2007

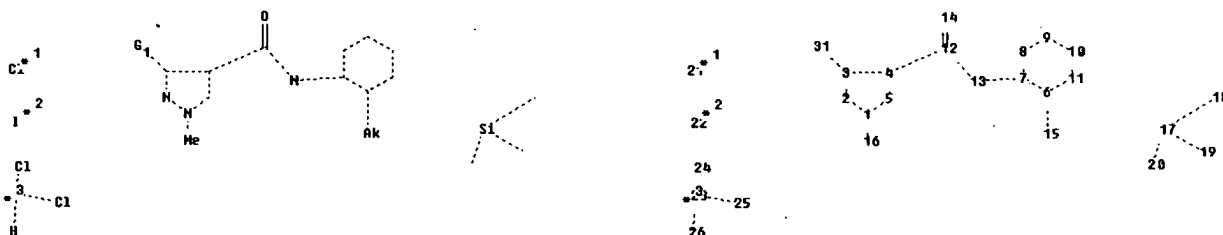
=> d que 136

L2 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation:

Uploading L1.str



chain nodes :

12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 31

ring nodes :

1 2 3 4 5 6 7 8 9 10 11

chain bonds :

1-16 3-31 4-12 6-15 7-13 12-13 12-14 17-18 17-19 17-20 23-24 23-25 23-26

ring bonds :

1-2 1-5 2-3 3-4 4-5 6-7 6-11 7-8 8-9 9-10 10-11

exact/norm bonds :

1-2 1-5 1-16 2-3 3-4 3-31 4-5 4-12 6-7 6-11 6-15 7-8 7-13 8-9 9-10  
10-11 12-13 12-14 17-18 17-19 17-20 23-24 23-25 23-26

isolated ring systems :

containing 1 : 6 :

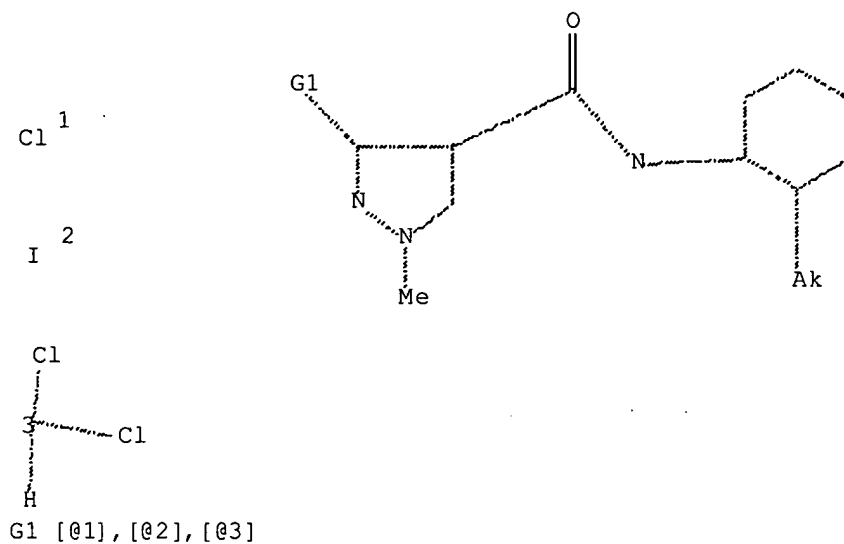
G1:[\*1],[\*2],[\*3]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS  
19:CLASS 20:CLASS  
21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 31:CLASS

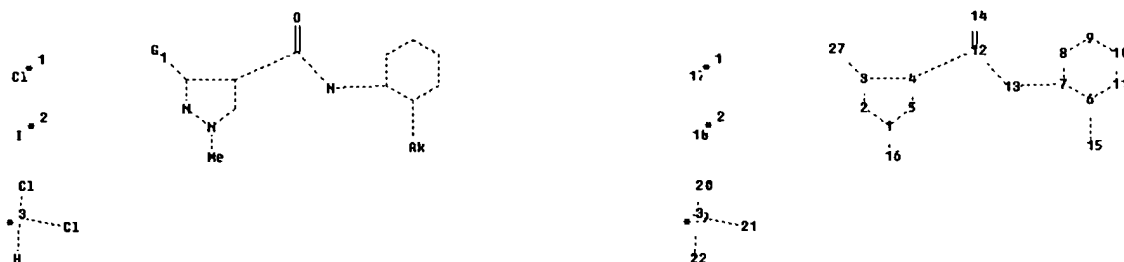
L4

STR



Structure attributes must be viewed using STN Express query preparation:

Uploading L2.str



chain nodes :

12 13 14 15 16 17 18 19 20 21 22 27

ring nodes :

1 2 3 4 5 6 7 8 9 10 11

chain bonds :

1-16 3-27 4-12 6-15 7-13 12-13 12-14 19-20 19-21 19-22

ring bonds :

1-2 1-5 2-3 3-4 4-5 6-7 6-11 7-8 8-9 9-10 10-11

exact/norm bonds :

1-2 1-5 1-16 2-3 3-4 3-27 4-5 4-12 6-7 6-11 6-15 7-8 7-13 8-9 9-10  
10-11 12-13 12-14 19-20 19-21 19-22

isolated ring systems :

containing 1 : 6 :

G1:[\*1],[\*2],[\*3]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS  
19:CLASS 20:CLASS  
21:CLASS 22:CLASS 27:CLASS

L6 30 SEA FILE=REGISTRY SSS FUL L4  
L8 3 SEA FILE=REGISTRY SUB=L6 SSS FUL L2  
L9 1 SEA FILE=HCAPLUS ABB=ON PLU=ON L8  
L10 7 SEA FILE=HCAPLUS ABB=ON PLU=ON L6  
L11 6 SEA FILE=HCAPLUS ABB=ON PLU=ON L10 NOT L9  
L16 82 SEA FILE=HCAPLUS ABB=ON PLU=ON "DUNKEL RALF"/AU  
L17 190 SEA FILE=HCAPLUS ABB=ON PLU=ON ("ELBE HANS L"/AU OR "ELBE  
HANS LUDWIG"/AU)  
L18 40 SEA FILE=HCAPLUS ABB=ON PLU=ON "HARTMANN BENOIT"/AU  
L19 118 SEA FILE=HCAPLUS ABB=ON PLU=ON ("KLAUSENER A"/AU OR "KLAUSENE  
R ALEXANDER"/AU)  
L20 3 SEA FILE=HCAPLUS ABB=ON PLU=ON ("GREUL JORG"/AU OR "GREUL  
JORG N"/AU)  
L21 289 SEA FILE=HCAPLUS ABB=ON PLU=ON ("WACHENDORFF NEUMANN  
ULRICKE"/AU OR "WACHENDORFF NEUMANN ULRIKE"/AU OR "WACHENDORFF  
NEUMANN ULRIKE"/AU OR "WACHENDORFF U"/AU OR "WACHENDORFF  
ULRIKE"/AU)  
L22 193 SEA FILE=HCAPLUS ABB=ON PLU=ON ("DAHMEN P"/AU OR "DAHMEN  
PETER"/AU)  
L23 149 SEA FILE=HCAPLUS ABB=ON PLU=ON "KUCK KARL HEINZ"/AU  
L24 67 SEA FILE=HCAPLUS ABB=ON PLU=ON L16 AND ((L17 OR L18 OR L19  
OR L20 OR L21 OR L22 OR L23))  
L25 73 SEA FILE=HCAPLUS ABB=ON PLU=ON L17 AND ((L18 OR L19 OR L20  
OR L21 OR L22 OR L23))  
L26 25 SEA FILE=HCAPLUS ABB=ON PLU=ON L18 AND ((L19 OR L20 OR L21  
OR L22 OR L23))  
L27 7 SEA FILE=HCAPLUS ABB=ON PLU=ON L19 AND ((L20 OR L21 OR L22  
OR L23))  
L28 0 SEA FILE=HCAPLUS ABB=ON PLU=ON L20 AND ((L21 OR L22 OR L23))  
L29 133 SEA FILE=HCAPLUS ABB=ON PLU=ON L21 AND ((L22 OR L23))  
L30 39 SEA FILE=HCAPLUS ABB=ON PLU=ON L22 AND L23  
L31 148 SEA FILE=HCAPLUS ABB=ON PLU=ON (L24 OR L25 OR L26 OR L27 OR  
L28 OR L29 OR L30)  
L32 143 SEA FILE=HCAPLUS ABB=ON PLU=ON L31 NOT L11  
L33 142 SEA FILE=HCAPLUS ABB=ON PLU=ON L32 NOT L9  
L34 133 SEA FILE=HCAPLUS ABB=ON PLU=ON L33 AND (PESTICID?/OBI OR  
FUNGICID?/OBI)  
L35 42 SEA FILE=HCAPLUS ABB=ON PLU=ON L34 AND (ANTIBACTER?/OBI)  
L36 26 SEA FILE=HCAPLUS ABB=ON PLU=ON L35 AND (AGRIC?/OBI OR  
PLANT#/OBI)

10/579033

\*\*\*\*\* QUERY RESULTS \*\*\*\*\*

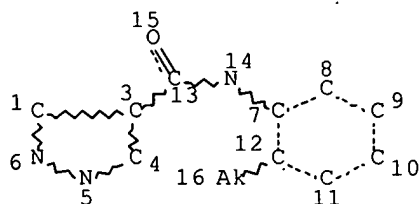
=> d his 16

(FILE 'HCAPLUS' ENTERED AT 14:26:19 ON 05 DEC 2007)

L6 3 S L5

=> d que 16

L1 STR



Si 17

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

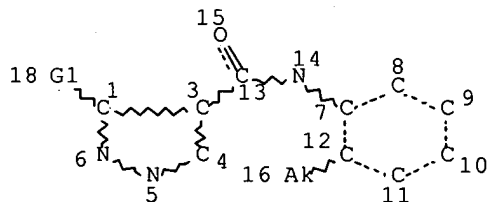
RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 16

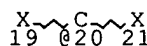
STEREO ATTRIBUTES: NONE

L3 43 SEA FILE=REGISTRY SSS FUL L1

L4 STR



Si 17



VAR G1=X/20

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 20

STEREO ATTRIBUTES: NONE

L5 40 SEA FILE=REGISTRY SUB=L3 SSS FUL L4

L6 3 SEA FILE=HCAPLUS ABB=ON PLU=ON L5

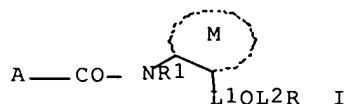
=> d 16 1-3 ibib ed abs hitstr hitind

L6 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN

10/579033

ACCESSION NUMBER: 2005:811644 HCAPLUS Full-text  
DOCUMENT NUMBER: 143:188299  
TITLE: Preparation of carboxamide derivatives as bactericides and fungicides  
INVENTOR(S): Dunkel, Ralf; Elbe, Hans-Ludwig; Hartmann, Benoit; Greul, Joerg Nico; Herrmann, Stefan; Wachendorff-Neumann, Ulrike; Dahmen, Peter; Kuck, Karl-Heinz  
PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany  
SOURCE: PCT Int. Appl., 118 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005074686	A1	20050818	WO 2005-EP633	20050122
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 102004005787	A1	20050825	DE 2004-102004005787	20040206
IN 2005DE00120	A	20061201	IN 2005-DE120	20050118
CA 2556078	A1	20050818	CA 2005-2556078	20050122
CN 1917763	A	20070221	CN 2005-80004212	20050122
EP 1771069	A1	20070411	EP 2005-701132	20050122
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
BR 2005007474	A	20070710	BR 2005-7474	20050122
JP 2007520505	T	20070726	JP 2006-551759	20050122
MX 2006PA08881	A	20061030	MX 2006-PA8881	20060804
PRIORITY APPLN. INFO.:			DE 2004-102004005787A	20040206
			WO 2005-EP633	W 20050122
OTHER SOURCE(S): MARPAT 143:188299				
ED Entered STN: 18 Aug 2005				
GI				



AB The carboxamides I [M = (un)substituted Ph, pyridinyl, pyrimidinyl, pyridazinyl, pyrazinyl or thiazoleyl A = (un)substituted Ph, pyrazolyl, pyridinyl, etc.; R = H, alkyl, alkoxyl, alkoxyalkyl, etc.; R1 = H, alkyl, alkylsulfanyl, alkylsulfonyl, alkoxyalkyl, etc.; Q = O, S, SO, SO2, NH,

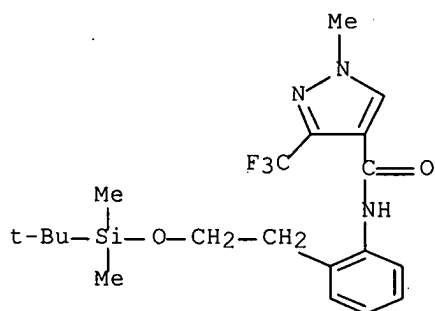
etc.; L1 = alkylene; L2 = bond, CO, etc.] are prepared as bactericides and fungicides.

IT 862091-57-4P 862091-65-4P

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation as bactericide and fungicide)

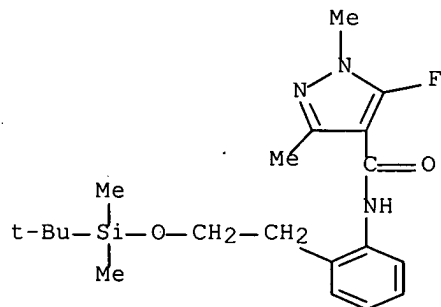
RN 862091-57-4 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-[2-[2-[[[1,1-dimethylethyl)dimethylsilyl]oxy]ethyl]phenyl]-1-methyl-3-(trifluoromethyl)- (CA INDEX NAME)



RN 862091-65-4 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-[2-[2-[[[1,1-dimethylethyl)dimethylsilyl]oxy]ethyl]phenyl]-5-fluoro-1,3-dimethyl- (CA INDEX NAME)



IC ICM A01N043-56

ICS C07D231-16; C07D231-14

CC 5-2 (Agrochemical Bioregulators)

Section cross-reference(s): 28

IT	862090-42-4P	862090-43-5P	862090-44-6P	862090-45-7P	862090-46-8P
	862090-47-9P	862090-48-0P	862090-49-1P	862090-50-4P	862090-51-5P
	862090-52-6P	862090-53-7P	862090-54-8P	862090-55-9P	862090-56-0P
	862090-57-1P	862090-59-3P	862090-61-7P	862090-63-9P	862090-65-1P
	862090-67-3P	862090-69-5P	862090-71-9P	862090-73-1P	862090-75-3P
	862090-77-5P	862090-79-7P	862090-81-1P	862090-83-3P	862090-85-5P
	862090-87-7P	862090-89-9P	862090-91-3P	862090-93-5P	862090-95-7P
	862090-97-9P	862090-99-1P	862091-01-8P	862091-03-0P	862091-05-2P
	862091-07-4P	862091-09-6P	862091-11-0P	862091-13-2P	862091-15-4P
	862091-17-6P	862091-19-8P	862091-21-2P	862091-23-4P	862091-25-6P
	862091-27-8P	862091-30-3P	862091-32-5P	862091-35-8P	862091-37-0P



862091-39-2P	862091-41-6P	862091-43-8P	862091-45-0P	862091-47-2P
862091-49-4P	862091-51-8P	862091-53-0P	862091-55-2P	
862091-57-4P	862091-59-6P	862091-61-0P	862091-63-2P	
862091-65-4P	862091-67-6P	862091-69-8P	862091-71-2P	
862091-73-4P	862091-75-6P	862091-77-8P	862091-79-0P	862091-81-4P
862091-83-6P	862091-85-8P	862091-87-0P	862091-89-2P	862091-91-6P
862091-93-8P	862091-95-0P	862091-97-2P	862091-99-4P	862092-01-1P
862092-03-3P	862092-05-5P	862092-07-7P	862092-09-9P	862092-11-3P
862092-13-5P	862092-15-7P	862092-17-9P	862092-19-1P	862092-21-5P
862092-23-7P	862092-25-9P	862092-27-1P	862092-29-3P	862092-31-7P
862092-33-9P	862092-35-1P	862092-37-3P	862092-40-8P	862092-42-0P
862092-44-2P	862092-46-4P	862092-48-6P	862092-50-0P	862092-52-2P
862092-54-4P	862092-56-6P	862092-58-8P	862092-60-2P	862092-62-4P
862092-64-6P	862092-66-8P	862092-68-0P	862092-70-4P	862092-72-6P
862092-74-8P	862092-76-0P	862092-78-2P	862092-80-6P	862092-82-8P
862092-84-0P	862092-86-2P	862092-88-4P	862092-90-8P	862092-92-0P
862092-94-2P	862092-96-4P	862092-98-6P	862093-00-3P	862093-02-5P
862093-04-7P	862093-06-9P	862093-09-2P	862093-11-6P	862093-13-8P
862093-15-0P	862093-17-2P	862093-19-4P	862093-21-8P	862093-23-0P
862093-25-2P	862093-27-4P	862093-29-6P	862093-31-0P	862093-33-2P
862093-35-4P	862093-36-5P	862093-38-7P	862093-40-1P	862093-42-3P
862093-44-5P	862093-46-7P	862093-48-9P	862093-50-3P	862093-52-5P
862093-54-7P	862093-56-9P	862093-58-1P	862093-60-5P	862093-62-7P
862093-64-9P	862093-66-1P	862093-68-3P	862093-70-7P	862093-72-9P
862093-74-1P				

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation as bactericide and fungicide)

REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:472166 HCAPLUS Full-text

DOCUMENT NUMBER: 143:7828

TITLE: Preparation, antibacterial activity and plant protection properties of N-(silylaryl)-substituted carboxamides

INVENTOR(S): Dunkel, Ralf; Elbe, Hans-Ludwig; Hartmann, Benoit; Klausener, Alexander; Greul, Joerg Nico; Wachendorff-Neumann, Ulrike; Dahmen, Peter; Kuck, Karl-Heinz

PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 61 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	---	-----	-----	-----
WO 2005049624	A1	20050602	WO 2004-EP12590	20041106
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,			

10/579033

EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,  
NE, SN, TD, TG

DE 10354607	A1	20050616	DE 2003-10354607	20031121
CA 2546638	A1	20050602	CA 2004-2546638	20041106
EP 1687315	A1	20060809	EP 2004-797688	20041106
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
CN 1882596	A	20061220	CN 2004-80034187	20041106
BR 2004016200	A	20061226	BR 2004-16200	20041106
JP 2007511555	T	20070510	JP 2006-540234	20041106
IN 2006DN02198	A	20070713	IN 2006-DN2198	20060421
MX 2006PA05529	A	20060817	MX 2006-PA5529	20060516
US 2007191454	A1	20070816	US 2007-579033	20070122

PRIORITY APPLN. INFO.:

DE 2003-10354607	A	20031121
WO 2004-EP12590	W	20041106

OTHER SOURCE(S): CASREACT 143:7828; MARPAT 143:7828

ED Entered STN: 03 Jun 2005

AB Carboxamides, containing trimethylsilyl group attached to N-aryl substituent, were prepared as potential antibacterial and antifungal agents for plant and material protection. Compds. A-C(O)NH-2-(LSiMe<sub>3</sub>)C<sub>6</sub>H<sub>3</sub>R [A = (un)substituted (hetero)aryl, heterocyclyl, preferably A = 2-halophenyl, 2-[(fluoro)methyl]phenyl, substituted 4-pyrazolyl, (dihydro)furanyl, pyrazinyl, pyridinyl; R = H, F, Cl, Me, iPr, MeS, CF<sub>3</sub>, preferably R = H, 4- or 5-CF<sub>3</sub>, 4-, 5- or 6-F; L is connecting bivalent group, such as (CH<sub>2</sub>)<sub>2</sub>, (CH<sub>2</sub>)<sub>3</sub>, CHMe, CHMeCH<sub>2</sub>, CH:CH, CMe:CH, C.tplbond.C] were prepared by reaction of A-COCl with 0.8-8 mol. equiv of silylated anilines H<sub>2</sub>NC<sub>6</sub>H<sub>3</sub>R-2-LSiMe<sub>3</sub> (same A, R, L) in inert organic solvent at 10-80° in the presence of 1-3 mol. equiv of (in)organic bases, such as metal carbonates or amines. The prepared silylated carboxamides were tested as plant protectors, active against *Venturia inaequalis*, *Sphaerotheca fuliginea* and *Puccinia recondita*.

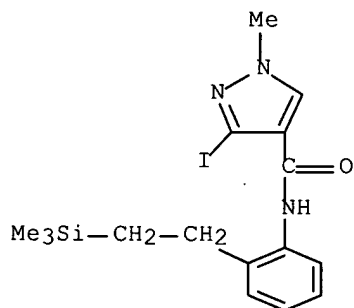
IT 852342-51-9P 852342-83-7P 852343-48-7P

RL: BSU (Biological study, unclassified); SPN (Synthetic preparation);  
BIOL (Biological study); PREP (Preparation)

(preparation of carbamoyl-arylethyl silanes as antibacterial agents for plant and material protection)

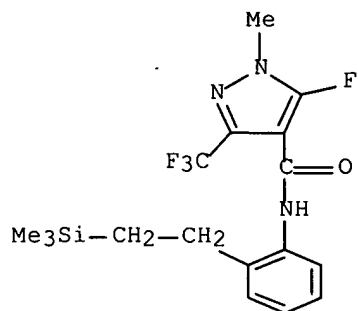
RN 852342-51-9 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, 3-iodo-1-methyl-N-[2-[2-(trimethylsilyl)ethyl]phenyl]- (CA INDEX NAME)



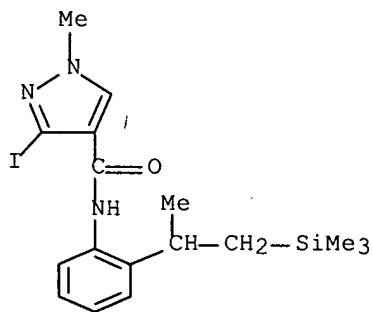
RN 852342-83-7 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, 5-fluoro-1-methyl-3-(trifluoromethyl)-N-[2-[2-(trimethylsilyl)ethyl]phenyl]- (CA INDEX NAME)



RN 852343-48-7 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, 3-iodo-1-methyl-N-[2-[1-methyl-2-(trimethylsilyl)ethyl]phenyl]- (CA INDEX NAME)

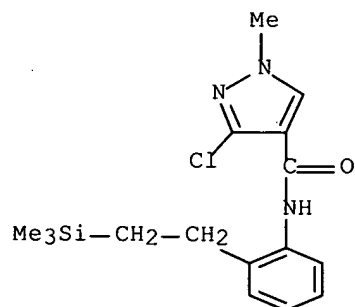


IT 852343-35-2P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of carbamoyl-arylethyl silanes as antibacterial agents for  
plant and material protection)

RN 852343-35-2 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, 3-chloro-1-methyl-N-[2-[2-(trimethylsilyl)ethyl]phenyl]- (CA INDEX NAME)



IC ICM C07F007-08

CC 29-6 (Organometallic and Organometalloidal Compounds)  
 Section cross-reference(s): 5, 10

IT 852341-45-8P 852341-59-4P 852341-73-2P 852341-88-9P 852342-18-8P  
 852342-35-9P 852342-51-9P 852342-83-7P 852342-99-5P  
 852343-11-4P 852343-23-8P 852343-48-7P 852343-62-5P  
 852344-61-7P 852344-73-1P  
 RL: BSU (Biological study, unclassified); SPN (Synthetic preparation);  
 BIOL (Biological study); PREP (Preparation)  
 (preparation of carbamoyl-arylethyl silanes as antibacterial agents for  
 plant and material protection)

IT 852342-02-0P 852342-67-7P 852343-35-2P 852343-76-1P  
 852343-87-4P 852344-00-4P 852344-11-7P 852344-20-8P 852344-37-7P  
 852344-49-1P 852344-86-6P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of carbamoyl-arylethyl silanes as antibacterial agents for  
 plant and material protection)

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

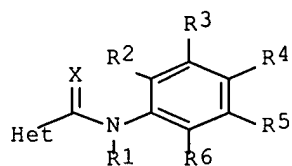
L6 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2003:777810 HCAPLUS Full-text  
 DOCUMENT NUMBER: 139:277000  
 TITLE: Siliconated phenyl amides derivatives useful as  
 microbiocide  
 INVENTOR(S): Ehrenfreund, Josef; Jung, Pierre Joseph Marcel;  
 Tobler, Hans; Walter, Harald  
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.  
 SOURCE: PCT Int. Appl., 42 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003080628	A1	20031002	WO 2003-IB1110	20030321
W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW	
RW:			GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG	
CA 2477396	A1	20031002	CA 2003-2477396	20030321
AU 2003212576	A1	20031008	AU 2003-212576	20030321
BR 2003008759	A	20041228	BR 2003-8759	20030321
EP 1490378	A1	20041229	EP 2003-708401	20030321
R:			AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK	
JP 2005520863	T	20050714	JP 2003-578382	20030321
CN 1642963	A	20050720	CN 2003-806592	20030321
EG 23440	A	20050903	EG 2003-286	20030326
ZA 2004006466	A	20050912	ZA 2004-6466	20040813
MX 2004PA09207	A	20041126	MX 2004-PA9207	20040922
US 2005182107	A1	20050818	US 2004-509607	20040927
PRIORITY APPLN. INFO.:			GB 2002-7253	A 20020327

OTHER SOURCE(S): CASREACT 139:277000; MARPAT 139:277000

ED Entered STN: 03 Oct 2003

GI



I

AB The preparation of title compds., I (Het = 5- or 6-membered heterocyclic ring containing one to three heteroatoms, each independently selected from O, N, and S, the ring being substituted by groups R7, R8, R9; R1 = H, (C1-4)alkylC(:O), (C1-4)alkylC(:O)O, (C1-4)alkoxy(C1-4)alkyl, substituted allyl, substituted propargyl or substituted allenyl; R2, R3, R4, R5 = H, halo, (C1-4)alkoxy(C1-4)alkoxy, (C1-4)alkoxy(C1-4)alkyl; R6 = C1-13 group containing at least one silicon atom and, 1-3 heteroatoms, each independently selected from O, N, S, and is substituted by 1-4 independently selected halogen atoms; R7, R8, R9 = H, halo, C1-3 alkyl, C1-3 haloalkyl, C1-3alkoxy(C1-3)alkyl, cyano, where at least one of R7, R8, R9 is not hydrogen; X = O, S; or an N-oxide thereof; and when present, each optional substituent on alkyl moieties, allyl, propargyl and allenyl is, independently, selected. from halo, OH, cyano, MeO2CO, EtO2CO, MeO, EtO, methylsulfonyl, ethylsulfonyl, difluoromethoxy, trifluoromethoxy, trifluorothiomethoxy), useful as fungicides, is described. The activity of prepared compds. were tested against *Puccinia recondita* (wheat), *Podosphaera leucotricha* (apple), *Venturia inaequalis* (apple), *Erysiphe graminis* (barley), *Botrytis cinerea* (tomato), and *Septoria nodorum* (wheat).

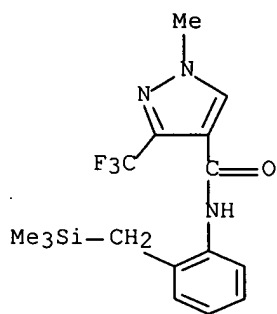
IT 607374-54-9P 607374-55-0P 607374-56-1P  
 607374-57-2P 607374-58-3P 607374-59-4P  
 607374-60-7P 607374-61-8P 607374-62-9P  
 607374-63-0P 607374-64-1P 607374-65-2P  
 607374-66-3P 607374-67-4P 607374-68-5P  
 607374-70-9P 607374-71-0P 607374-72-1P  
 607374-73-2P 607374-74-3P 607374-75-4P  
 607374-76-5P 607374-77-6P 607374-78-7P  
 607374-79-8P 607374-80-1P 607374-81-2P  
 607374-82-3P 607374-84-5P 607374-85-6P  
 607374-86-7P 607374-87-8P 607374-88-9P  
 607375-19-9P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation and fungicidal activity of siliconated Ph amides derivs.)

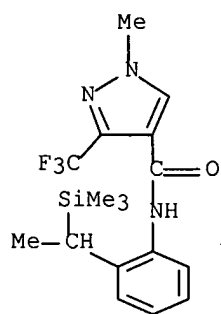
RN 607374-54-9 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, 1-methyl-3-(trifluoromethyl)-N-[2-((trimethylsilyl)methyl)phenyl]- (CA INDEX NAME)



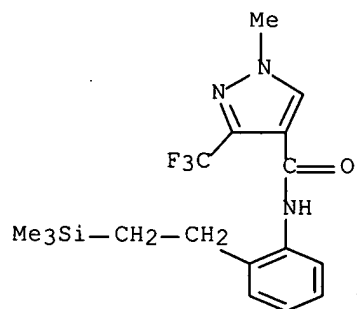
RN 607374-55-0 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, 1-methyl-3-(trifluoromethyl)-N-[2-[1-(trimethylsilyl)ethyl]phenyl]- (CA INDEX NAME)



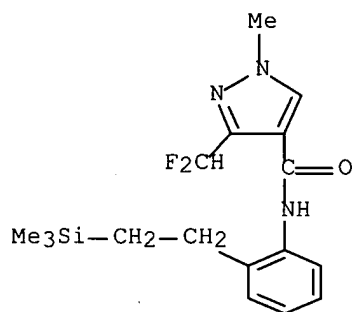
RN 607374-56-1 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, 1-methyl-3-(trifluoromethyl)-N-[2-[2-(trimethylsilyl)ethyl]phenyl]- (CA INDEX NAME)



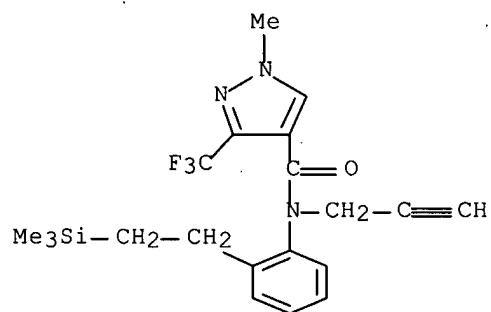
RN 607374-57-2 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-[2-[2-(trimethylsilyl)ethyl]phenyl]- (CA INDEX NAME)



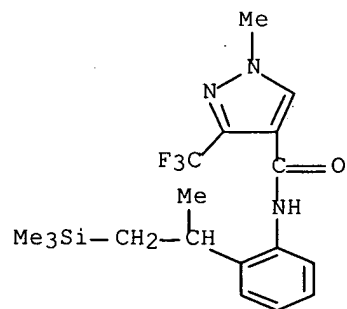
RN 607374-58-3 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, 1-methyl-N-2-propynyl-3-(trifluoromethyl)-N-[2-[2-(trimethylsilyl)ethyl]phenyl]- (9CI) (CA INDEX NAME)



RN 607374-59-4 HCAPLUS

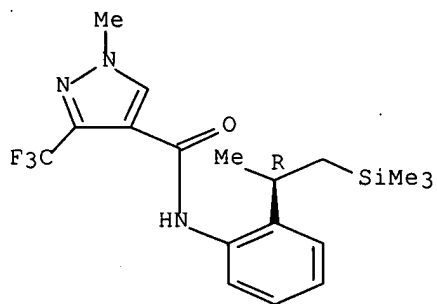
CN 1H-Pyrazole-4-carboxamide, 1-methyl-N-[2-[1-methyl-2-(trimethylsilyl)ethyl]phenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



RN 607374-60-7 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, 1-methyl-N-[2-[(1R)-1-methyl-2-(trimethylsilyl)ethyl]phenyl]-3-(trifluoromethyl)- (CA INDEX NAME)

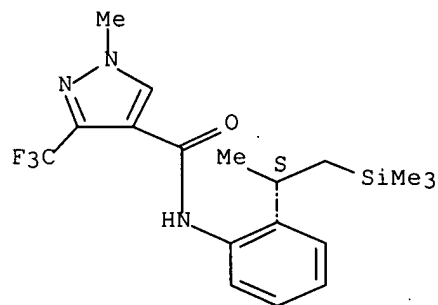
Absolute stereochemistry.



RN 607374-61-8 HCAPLUS

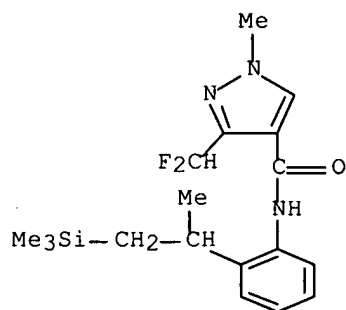
CN 1H-Pyrazole-4-carboxamide, 1-methyl-N-[2-[(1S)-1-methyl-2-(trimethylsilyl)ethyl]phenyl]-3-(trifluoromethyl)- (CA INDEX NAME)

Absolute stereochemistry.



RN 607374-62-9 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-[2-[1-methyl-2-(trimethylsilyl)ethyl]phenyl]- (CA INDEX NAME)

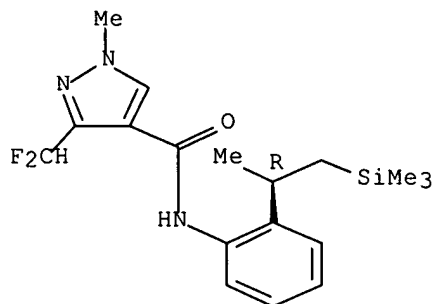


RN 607374-63-0 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-[2-[(1R)-1-methyl-2-(trimethylsilyl)ethyl]phenyl]- (CA INDEX NAME)

Absolute stereochemistry.

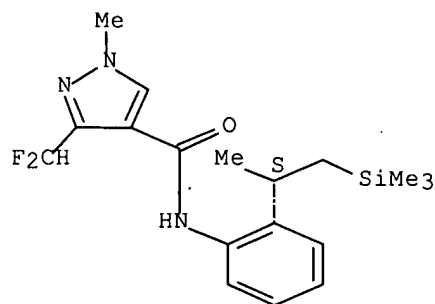




RN 607374-64-1 HCAPLUS

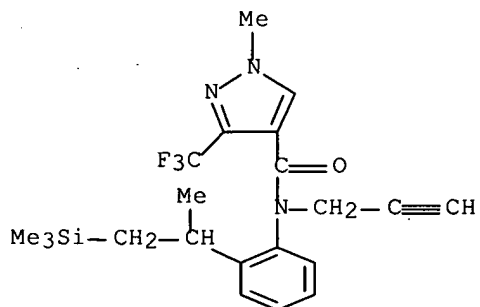
CN 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-[2-[(1S)-1-methyl-2-(trimethylsilyl)ethyl]phenyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 607374-65-2 HCAPLUS

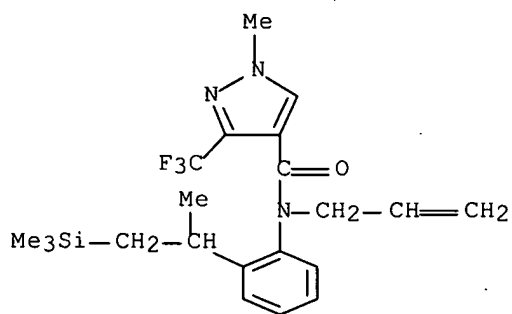
CN 1H-Pyrazole-4-carboxamide, 1-methyl-N-[2-[1-methyl-2-(trimethylsilyl)ethyl]phenyl]-N-2-propynyl-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 607374-66-3 HCAPLUS

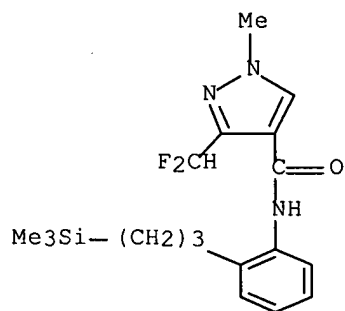
CN 1H-Pyrazole-4-carboxamide, 1-methyl-N-[2-[1-methyl-2-(trimethylsilyl)ethyl]phenyl]-N-2-propynyl-3-(trifluoromethyl)- (9CI) (CA

INDEX NAME)



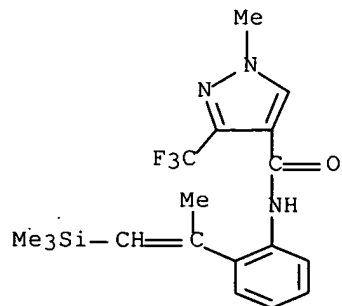
RN 607374-67-4 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-[2-[3-(trimethylsilyl)propyl]phenyl]- (CA INDEX NAME)



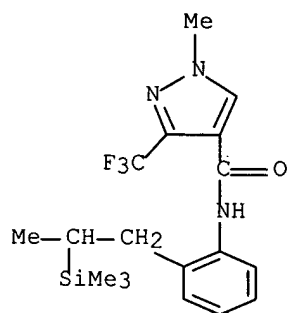
RN 607374-68-5 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, 1-methyl-N-[2-[1-methyl-2-(trimethylsilyl)ethenyl]phenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



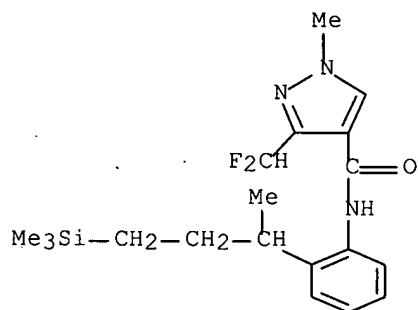
RN 607374-70-9 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, 1-methyl-3-(trifluoromethyl)-N-[2-[2-(trimethylsilyl)propyl]phenyl]- (CA INDEX NAME)



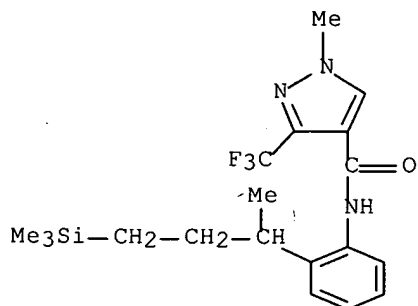
RN 607374-71-0 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-[2-[1-methyl-3-(trimethylsilyl)propyl]phenyl]- (CA INDEX NAME)



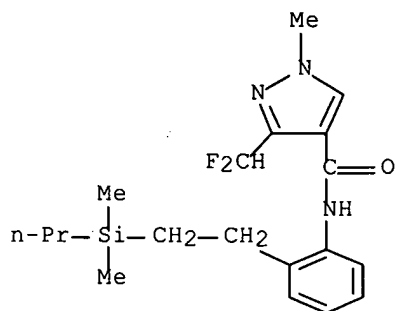
RN 607374-72-1 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, 1-methyl-N-[2-[1-methyl-3-(trimethylsilyl)propyl]phenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



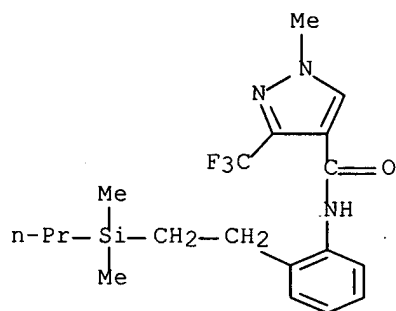
RN 607374-73-2 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-N-[2-[2-(dimethylpropylsilyl)ethyl]phenyl]-1-methyl- (CA INDEX NAME)



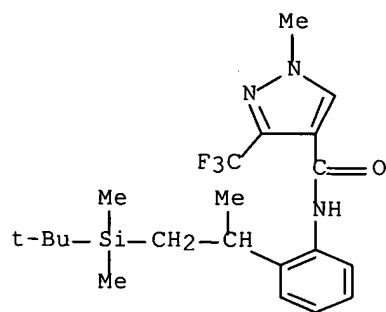
RN 607374-74-3 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-[2-[2-(dimethylpropylsilyl)ethyl]phenyl]-1-methyl-3-(trifluoromethyl)- (CA INDEX NAME)



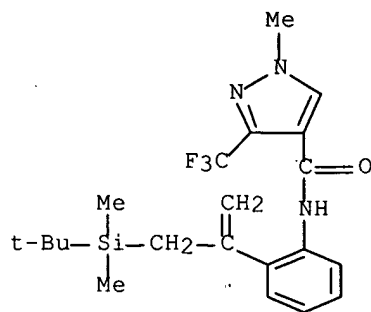
RN 607374-75-4 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-[2-[2-[(1,1-dimethylethyl)dimethylsilyl]ethyl]phenyl]-1-methyl-3-(trifluoromethyl)- (CA INDEX NAME)



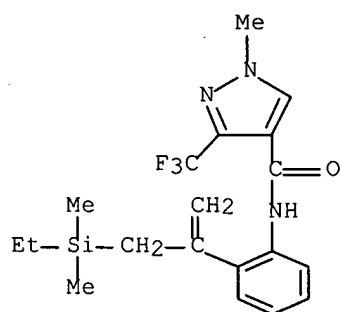
RN 607374-76-5 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-[2-[1-[[[(1,1-dimethylethyl)dimethylsilyl]methyl]ethenyl]phenyl]-1-methyl-3-(trifluoromethyl)- (CA INDEX NAME)



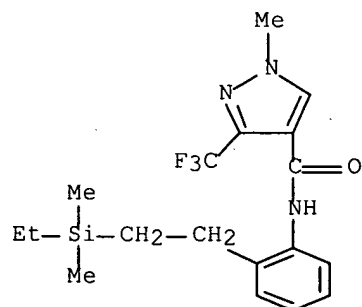
RN 607374-77-6 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-[2-[1-[(ethyldimethylsilyl)methyl]ethenyl]phenyl]-1-methyl-3-(trifluoromethyl)- (CA INDEX NAME)



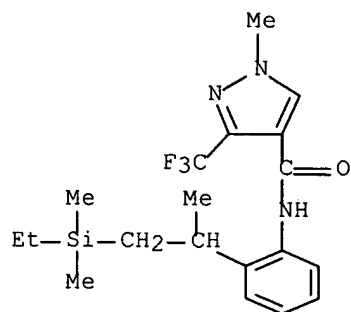
RN 607374-78-7 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-[2-[2-(ethyldimethylsilyl)ethyl]phenyl]-1-methyl-3-(trifluoromethyl)- (CA INDEX NAME)



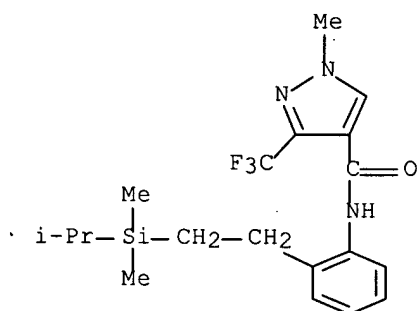
RN 607374-79-8 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-[2-[2-(ethyldimethylsilyl)-1-methylethyl]phenyl]-1-methyl-3-(trifluoromethyl)- (CA INDEX NAME)



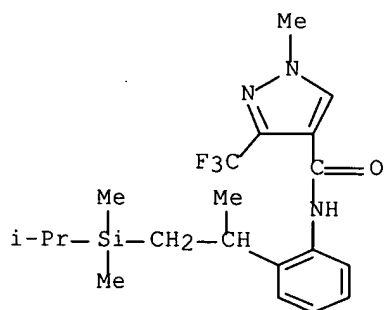
RN 607374-80-1 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-[2-[2-[dimethyl(1-methylethyl)silyl]ethyl]phenyl]-1-methyl-3-(trifluoromethyl)- (CA INDEX NAME)



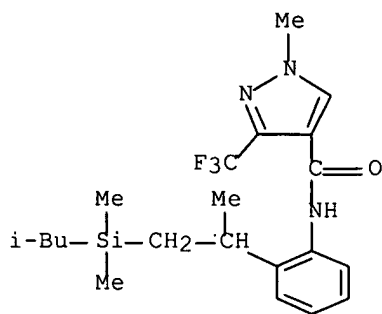
RN 607374-81-2 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-[2-[2-[dimethyl(1-methylethyl)silyl]ethyl]phenyl]-1-methyl-3-(trifluoromethyl)- (CA INDEX NAME)



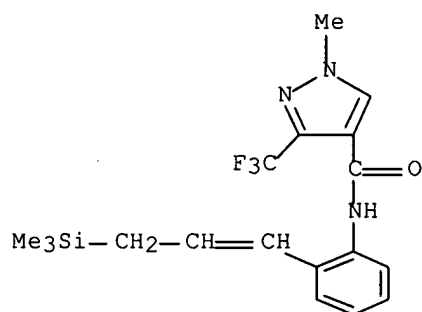
RN 607374-82-3 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, N-[2-[2-[dimethyl(2-methylpropyl)silyl]ethyl]phenyl]-1-methyl-3-(trifluoromethyl)- (CA INDEX NAME)



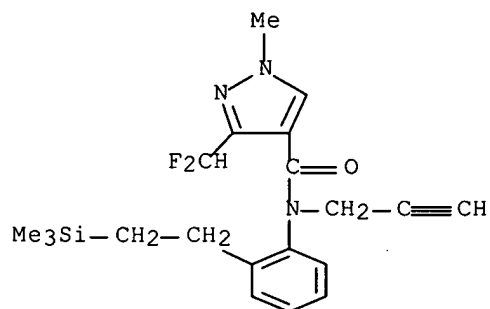
RN 607374-84-5 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, 1-methyl-3-(trifluoromethyl)-N-[2-[3-(trimethylsilyl)-1-propenyl]phenyl]- (9CI) (CA INDEX NAME)



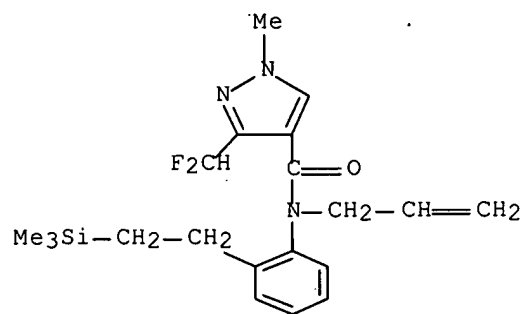
RN 607374-85-6 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-2-propynyl-N-[2-(2-(trimethylsilyl)ethyl]phenyl]- (9CI) (CA INDEX NAME)



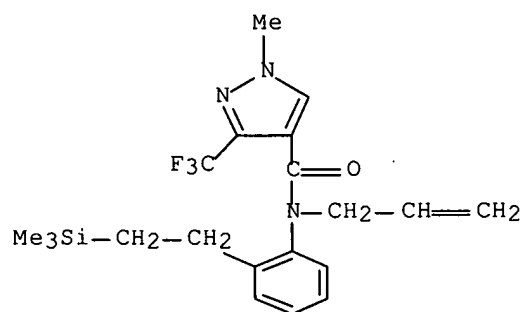
RN 607374-86-7 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-2-propenyl-N-[2-(2-(trimethylsilyl)ethyl]phenyl]- (9CI) (CA INDEX NAME)



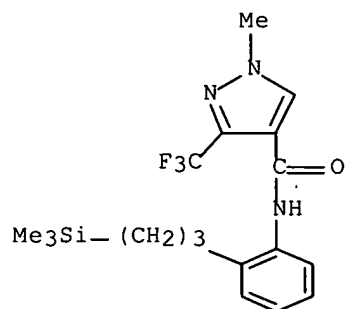
RN 607374-87-8 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, 1-methyl-N-2-propenyl-3-(trifluoromethyl)-N-[2-[2-(trimethylsilyl)ethyl]phenyl]- (9CI) (CA INDEX NAME)



RN 607374-88-9 HCAPLUS

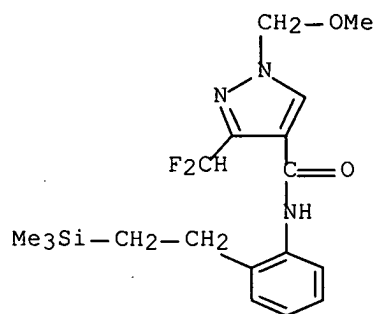
CN 1H-Pyrazole-4-carboxamide, 1-methyl-3-(trifluoromethyl)-N-[2-[3-(trimethylsilyl)propyl]phenyl]- (CA INDEX NAME)



RN 607375-19-9 HCAPLUS

CN 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-(methoxymethyl)-N-[2-[2-(trimethylsilyl)ethyl]phenyl]- (CA INDEX NAME)





IC ICM C07F007-08  
ICS A01N055-00; A01N055-10  
CC 29-6 (Organometallic and Organometalloidal Compounds)  
Section cross-reference(s): 5, 10, 25  
IT 607374-52-7P 607374-53-8P 607374-54-9P 607374-55-0P  
607374-56-1P 607374-57-2P 607374-58-3P  
607374-59-4P 607374-60-7P 607374-61-8P  
607374-62-9P 607374-63-0P 607374-64-1P  
607374-65-2P 607374-66-3P 607374-67-4P  
607374-68-5P 607374-69-6P 607374-70-9P  
607374-71-0P 607374-72-1P 607374-73-2P  
607374-74-3P 607374-75-4P 607374-76-5P  
607374-77-6P 607374-78-7P 607374-79-8P  
607374-80-1P 607374-81-2P 607374-82-3P  
607374-83-4P 607374-84-5P 607374-85-6P  
607374-86-7P 607374-87-8P 607374-88-9P  
607374-89-0P 607374-90-3P 607374-91-4P 607374-92-5P 607374-93-6P  
607374-94-7P 607374-95-8P 607374-96-9P 607374-97-0P 607374-98-1P  
607374-99-2P 607375-00-8P 607375-01-9P 607375-02-0P 607375-03-1P  
607375-04-2P 607375-05-3P 607375-06-4P 607375-07-5P 607375-08-6P  
607375-09-7P 607375-10-0P 607375-11-1P 607375-12-2P 607375-13-3P  
607375-14-4P 607375-15-5P 607375-16-6P 607375-17-7P 607375-18-8P  
607375-19-9P 607375-20-2P  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN  
(Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES  
(Uses)  
(preparation and fungicidal activity of siliconated Ph amides derivs.)  
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his \nofile

(FILE 'HOME' ENTERED AT 14:23:24 ON 05 DEC 2007)

FILE 'REGISTRY' ENTERED AT 14:23:30 ON 05 DEC 2007

L1 STR  
L2 1 SEA SSS SAM L1  
D SCAN  
L3 43 SEA SSS FUL L1  
L4 STR L1  
L5 40 SEA SUB=L3 SSS FUL L4

FILE 'HCAPLUS' ENTERED AT 14:26:19 ON 05 DEC 2007

L6 3 SEA ABB=ON PLU=ON L5

FILE 'REGISTRY' ENTERED AT 14:26:45 ON 05 DEC 2007

L7 3 SEA ABB=ON PLU=ON L3 NOT L5

FILE 'HCAPLUS' ENTERED AT 14:26:54 ON 05 DEC 2007

L8 2 SEA ABB=ON PLU=ON L7  
L9 0 SEA ABB=ON PLU=ON L8 NOT L6

FILE 'STNGUIDE' ENTERED AT 14:28:03 ON 05 DEC 2007

D QUE L6

FILE 'HCAPLUS' ENTERED AT 14:33:10 ON 05 DEC 2007

D L6 1-3 IBIB ED ABS HITSTR HITIND

FILE 'STNGUIDE' ENTERED AT 14:33:12 ON 05 DEC 2007